

TRAINING & SIMULATION

INDUSTRY SYMPOSIUM



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PM TRASYS



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Program Manager Training Systems

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited



Training Capabilities Requiring Immediate Action



- **“We will review our plan for live, virtual, and constructive training across the MAGTF. “**
 - **Simulation Assessment Working Groups (SAWG) are underway.**
- **“I expect all elements of the MAGTF to make extensive use of simulators where appropriate.”**
 - **Live Virtual Constructive Training Environment (LVC-TE) stood up this month**
- **“My intent is for Marines to encounter their initial tactical and ethical dilemmas in a simulated battlefield vice actual combat.”**
 - **Planning for Outdoor Infantry Immersion Trainer (IIT) at CLNC is in progress.**



Building on LSE-14 Success and Lessons Learned





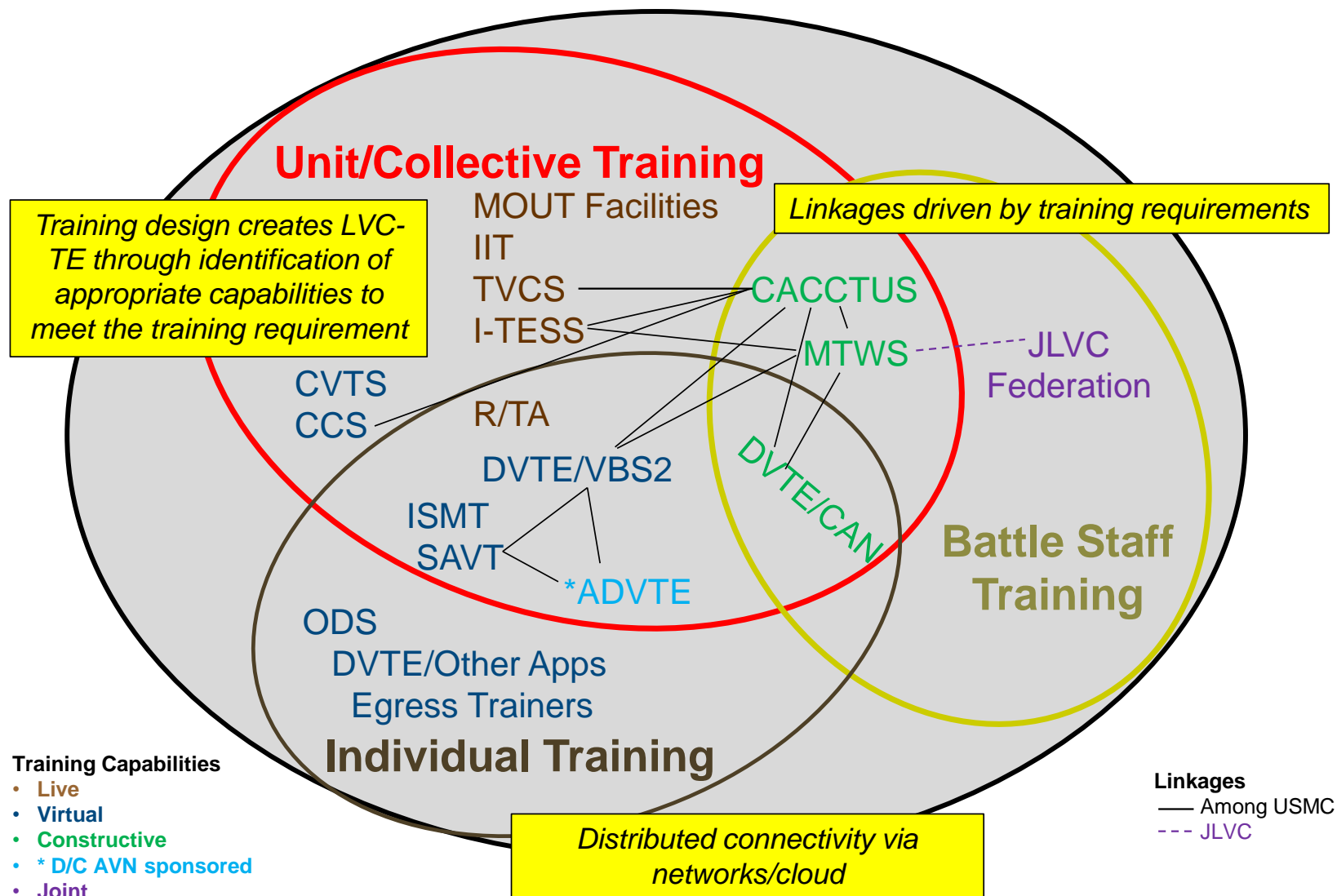
LSE-14 Virtual Integration Findings

Abstract:

- Analysis of LSE-14 after-action reviews identified that a well-designed federation of virtual simulations enhanced the training value and immersion for participants compared to previous exercises consisting of live and constructive simulations for MAGTF-level exercises.
- Inclusion of LVC integration events allowed Marines to refine and practice their tactics, techniques, and standing operating procedures with Marines from other communities (e.g., Direct-Air Support Center (DASC)-to-pilots, Joint Tactical Air Controller-to-pilots, pilots-to-DASC, convoy Marines-to-Combat Logistics Regiment COC).
- This opportunity to train with other non-collocated units is not readily available in normal training evolutions.



Desired LVC-TE Linkages





Business Opportunities

Program	Funding	RFP	Status
Marine Corps Tactics & Operations Group (MCTOG)	\$47M	4 th Qtr FY15	SeaPort-e Small Business (8(a)) - Best Value –Tradeoff
Atmospherics (ATMOS)	\$2.5M to \$25M	4 th Qtr FY15	Small Business – Best Value -Tradeoff
Underwater Egress Training (UET) System CLS	\$24M	4 th Qtr FY15	SeaPort-e Small Business - Lowest Price Technically Acceptable
Ground Training Systems Support – West (GTSS-W)	\$54M	4 th Qtr FY15	SeaPort-e Small Business – Lowest Price Technically Acceptable



Business Opportunities (Continued)

Program	Funding	RFP	Status
Supporting Arms Virtual Trainer (SAVT) CLS	\$18M	1 st Qtr FY16	SeaPort-e Small Business - Lowest Price Technically Acceptable
Ground Range Sustainment Program (GRSP)	\$1M to \$5M	1 st Qtr FY16	Small Business - Lowest Price Technically Acceptable
Instrumented – Tactical Engagement Simulation System – Increment III (I-TESS III)	\$25M to \$30M	2 nd Qtr FY16	Full and Open -Best Value -Tradeoff
MAGTF Tactical Warfare Simulation (MTWS) Hardware Procurement	\$650K	2 nd Qtr FY16	Small Business - Lowest Price Technically Acceptable



Business Opportunities (Continued)

Program	Funding	RFP	Status
Range Training Systems III (RTSIII)	\$49M	3 rd Qtr FY16	Full and Open - Best Value - Tradeoff
Combined Arms Command & Control Trainer Upgrade System (CACCTUS) Hardware Procurement	\$1.5M	4 th Qtr FY16	Small Business - Lowest Price Technically Acceptable
MAGTF Training Systems Support (MTSS)	\$45M	4 th Qtr FY16	SeaPort-e Full and Open Best Value - Tradeoff
Command & Control Training Education Center Of Excellence (C2TECOE)	\$35M	4 th Qtr FY16	SeaPort-e Full and Open Best Value - Tradeoff



Marine Corps Tactics and Operations Group (MCTOG), 29 Palms

Description/Summary of Program Requirements

- The Marine Corps Tactics and Operations Group (MCTOG) services provide advanced training to the Marine Air Ground Task Force (MAGTF) in support of operations, combined arms coordination, unit readiness, information technology, and technical simulation support services. MCTOG is located at 29 Palms and provides the simulation support services at designated simulation sites and training facilities in support of live, virtual, and constructive standards-based training.
- Contractor SMEs support services include but are not limited to: supporting training events employing current fielded modeling and simulation systems; the operation of designated information systems (and follow on versions thereof); and the development of supporting training documentation and Plans of Instruction for Command, Control, Communications, Computer, & Intelligence (C4I) and Threat Emulation (TE) Training Team.

ACQUISITION STRATEGY

- SeaPort-e
- Small Business (8(a)) (NAICS 541519)
- Best Value - Tradeoff

PERIOD OF PERFORMANCE

- 3rd Qtr FY16 to 3rd Qtr FY21

MILESTONES

4th Qtr FY15



RFP
Release

3rd Qtr FY16



Contract
Award

POINT OF CONTACT

PM TRASYS
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FUNDING

- \$47M

CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)

- Katmai Information Technologies, LLC.



Atmospherics (ATMOS)

Description/Summary of Program Requirements

- The Atmospherics program provides for the design and installation of set dressings that replicate theaters of operation in existing USMC Military Operations in Urban Terrain (MOUT) and Home Station Training (HST) areas and ranges throughout the Marine Corps to include: 29 Palms, CA; Barstow, CA; Beaufort, SC; Camp Lejeune, NC; Camp Pendleton, CA; Cherry Point, NC; Okinawa, Japan; MCB Hawaii and Quantico, VA.
- This contract will provide the removal and disposal of existing Atmospherics and the replacement with new set dressings that replicate a different theater of operation as designated by the delivery order .

ACQUISITION STRATEGY

- Small Business (NAICS 424990)
- Best Value - Tradeoff

PERIOD OF PERFORMANCE

- 3rd Qtr FY16 to 3rd Qtr FY21

MILESTONES

4th Qtr FY15



RFP
Release

3rd Qtr FY16



Contract
Award

POINT OF CONTACT

PM TRASYS

Phone: 407 381-8762

Email: pmtrasys@usmc.mil

FUNDING

- \$2.5M up to \$25M

CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)

- Strategic Operations (STOPS)





Underwater Egress Trainer(UET)

Description/Summary of Program Requirements

•The UET Program consists of multiple underwater egress training devices, which individually and collectively fulfill the critical training need by providing personnel the opportunity to be exposed to conditions experienced in a ground, amphibious, or rotary/tilt-rotor platform submersion incident. This training is conducted in a safe, controlled, simulated training environment. This training offers each trainee the capability to rehearse the skills necessary to safely egress a submerged vehicle/aircraft.

•This procurement will provide knowledge and performance based underwater egress training, safety, operations and maintenance of the systems at four sites: Camp Pendleton, CA; Camp Lejeune, NC; MCB Hawaii, and Okinawa, Japan.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none">• SeaPort-e• Small Business (NAICS 541330)• Lowest Price, Technically Acceptable	<ul style="list-style-type: none">• 4th Qtr FY16 to 4th Qtr FY21	4 th Qtr FY15  RFP Release	3 rd Qtr FY16  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
PM TRASYS Phone: 407 381-8762 Email: pmtrasys@usmc.mil	<ul style="list-style-type: none">• ~ \$24M	<ul style="list-style-type: none">• ProActive Technologies Inc (CLS)• Survival Systems International (OEM)	



Ground Training Systems Support - West (GTSS-W) (Re-compete)

Description/Summary of Program Requirements

- The GTSS-W program provides knowledge based, equipment related, and logistics management sustainment support for range training environments and devices. The training systems supported include simulation/training devices, live-fire ranges, Military Operations on Urban Terrain (MOUT), and Infantry Immersive Trainer (IIT) located at various USMC west coast (CONUS) and OCONUS bases, air stations, and training camps.

ACQUISITION STRATEGY

- SeaPort-e
- Small Business (NAICS 541330)
- Lowest Price, Technically Acceptable

PERIOD OF PERFORMANCE

- 3rd Qtr FY16 to 3rd Qtr FY21

MILESTONES

4th Qtr FY15



RFP
Release

3rd Qtr FY16



Contract
Award

POINT OF CONTACT

PM TRASYS
Phone: (407) 381-8762
Email: pmtrasys@usmc.mil

FUNDING

- \$54M

CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)



- Engineering Support
Personnel, Inc.



Supporting Arms Virtual Trainer (SAVT)

Description/Summary of Program Requirements

- The SAVT provides realistic virtual training for Joint Tactical Air Controllers (JTACs), Forward Air Controllers (FACs), and Forward Observers (FOs) in the placement of tactical ordnance for Close Air Support, Naval Surface Fires and Surface Fires to support initial schoolhouse qualifications and Annual Currency requirements.
- This procurement will provide five years of Contractor Logistical Support (CLS) for the SAVT at Camp LeJeune, NC; 29 Palms, CA; Camp Pendleton, CA; Okinawa, Japan; and K-Bay, Hawaii with an additional option for Yuma, CA. Additionally, this acquisition will require refreshing all or part of the SAVT components and training system infrastructure.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none">• SeaPort-e• Small Business (NAICS 541330)• Lowest Price, Technically Acceptable	<ul style="list-style-type: none">• 4th Qtr FY16 to 4th Qtr FY21	1 st Qtr FY16  RFP Release	3 rd Qtr FY16  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
PM TRASYS Phone: 407-381-8762 Email: pmtrasys@usmc.mil	<ul style="list-style-type: none">• ~ \$18M	<ul style="list-style-type: none">• Droidan Inc (CLS).• TJ Incorporated (OEM)	



Ground Range Sustainment Program (GRSP)

Description/Summary of Program Requirements

- The Ground Range Sustainment Program provides rapid repairs and upgrades to existing USMC ranges throughout the Marine Corps to include: Beaufort, SC; Camp Lejeune, NC; Twentynine Palms, CA, MCB Hawaii and Camp Pendleton, CA.
- This procurement will provide upgraded and repaired ranges, targets, heavy duty target carriage chain guards, portable towers, antennas and camera systems/parts and other various items associated with USMC ranges.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none">• Small Business (NAICS 335999)• Lowest Price, Technically Acceptable	<ul style="list-style-type: none">• 2nd Qtr FY16 to 2nd Qtr FY17	1 st Qtr FY16  RFP Release	2 nd Qtr FY16  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
PM TRASYS Phone: 407 381-8762 Email: pmtrasys@usmc.mil	<ul style="list-style-type: none">• \$1M to \$5M		



Instrumented – Tactical Engagement Simulation System – Increment III

Description/Summary of Program Requirements

- Instrumented - Tactical Engagement Simulation System-Increment III (I-TESS III) which will be used to support direct force-on-force & force-on- target tactical engagement training. This contract will be required to integrate with the already fielded I-TESS II system.
- This procurement will provide for the instrumentation of the Combat Vehicle Weapons stations as well as the Independent Target Systems (ITS), Man-worn Detection System (MDS), Small Arms Transmitters (SATS), Mortars, Javelin, SMAW and Mk19 Instrumentation to meet full operational capability.



ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES
<ul style="list-style-type: none">• Full and Open• Best Value - Trade Off	<ul style="list-style-type: none">• 2nd Qtr FY17 to 2nd Qtr FY21	<div>2nd Qtr FY16 2nd Qtr FY17</div> <div> </div> <div>RFP Release Contract Award</div>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)
PM TRASYS Phone: 407 381-8762 Email: pmtrasys@usmc.mil	<ul style="list-style-type: none">• ~\$25-\$30M over 5 years	<ul style="list-style-type: none">• Cubic Defense Applications



MAGTF Tactical Warfare Simulation (MTWS) Hardware Procurement

Description/Summary of Program Requirements

- MTWS is the Marine Corps' only aggregate-level constructive simulation system designed to support the training of Senior Commanders and their staffs in command and control processes and procedures. The system provides interactive, multi-sided, force-on-force, real-time modeling and simulation with stand-alone tactical combat scenarios for air, ground, surface, and amphibious operations. MTWS provides the battle staff the ability to seamlessly train with and use their C4I systems (C2PC and IOS) during the execution of an MTWS supported training event. As part of the Joint National Training Capability (JNTC), MTWS is integrated into the US JFCOM Joint Live Virtual Constructive (JLVC) federation in order to augment COCOM and JTF level exercises with Marine Corps validated models.
- This hardware procurement will support necessary hardware refreshes required at all six (6) MTWS sites, CONUS and OCONUS.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none">• Small Business (NAICS 334111)• Low Price Technically Acceptable	<ul style="list-style-type: none">• 3rd Qtr FY16 to 4th Qtr FY16	2 nd Qtr FY16  RFP Release	3 rd Qtr FY16  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
PM TRASYS Phone: 407 381-8762 Email: pmtrasys@usmc.mil	<ul style="list-style-type: none">• \$650K	<ul style="list-style-type: none">• TBD	





Range Training Systems III (RTSIII)

Description/Summary of Program Requirements

• Range Training Systems will enable Marines to train for missions that include force-on-force, explosive environments, audio & visual cues, and various terrains. The capabilities required have been derived from the Operational Training Ranges Required Capabilities (MCRP 3-0C). This work will be performed throughout the Marine Corps including Camp Pendleton, Camp Lejeune, Cherry Point, Miramar, MCB Hawaii,, Mountain Warfare Training Center, Bridgeport, 29 Palms, Okinawa and Guam.

• This contract will provide new, upgraded and repaired ranges, targets, heavy duty target carriages, environmentally friendly steel armor targets, turning target systems, LOMAH capability, portable target enclosures, steel targets, pistol pneumatic target systems, battlefield effects systems and other various items associated with USMC ranges.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none">• Full and Open - IDIQ• Best Value - Tradeoff	<ul style="list-style-type: none">• 4th Qtr FY16 to 4th Qtr FY21	3 rd Qtr FY16  RFP Release	4 th Qtr FY16  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
PM TRASYS Phone: 407 381-8762 Email: pmtrasys@usmc.mil	<ul style="list-style-type: none">• \$49M	<ul style="list-style-type: none">• General Dynamics Information Technology	



Combined Arms Command and Control Trainer Upgrade System (CACCTUS) Hardware Procurement

Description/Summary of Program Requirements

- CACCTUS is an immersive training environment that provides Combined Arms Staff Training (CAST) for all elements of the MAGTF, with the integration of C4I equipment. Distributed Operations linking all CAST facilities will allow for large staff training exercises.
- This hardware procurement will support architecture changes to all five (5) CACCTUS sites, CONUS and OCONUS.

ACQUISITION STRATEGY

- Small Business (NAICS 334111)
- Low Price Technically Acceptable

PERIOD OF PERFORMANCE

- 1st Qtr FY17 to 2nd Qtr FY17

MILESTONES

4th Qtr FY16



RFP
Release

1st Qtr FY17



Contract
Award

POINT OF CONTACT

PM TRASYS
Phone: 407 381-8762
Email: pmtrasys@usmc.mil

FUNDING

- \$1.5M

CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)

- Riptide



MAGTF Training Systems Support (MTSS)

Description/Summary of Program Requirements

- The Marine Air Ground Task Force Training Systems Support (MTSS) contract uses a combination of L-V-C training methodologies to develop, strengthen, and expand the war fighting capabilities of the MEF Commander, his Command Element, Major Subordinate Commanders and their associated staffs with the principle focus on battalion-level operations supporting MEF inherent operations training the COCOMs, sister services and selected federal agencies. MTSS is the principal USMC mission support contract providing training services for the functional and technical support necessary to plan, prepare, and execute USMC individual, unit and staff training events; modeling and simulation support; Combined Arms Staff Training, doctrine support; and C2 sustainment training to principally USMC operational forces.
- The support provided by the MTSS contract is in conjunction with USMC specific training, and Combatant Command sponsored Joint, Combined, and Coalition exercises. The MTSS contract supports training at multiple USMC designated CONUS and OCONUS training sites.
- Contractor SME support services include but are not limited to: supporting training events employing current fielded modeling and simulation systems; the operation of designated information systems (and follow-on versions thereof); and the development of supporting training documentation and Plans of Instruction.

ACQUISITION STRATEGY

- SeaPort-e
- Full and Open
- Best Value - Tradeoff

PERIOD OF PERFORMANCE

- 2nd Qtr FY17 to 2nd Qtr FY22

MILESTONES

4th Qtr FY16



RFP
Release

2nd Qtr FY17



Contract
Award

POINT OF CONTACT

PM TRASYS

Phone: 407-381-8762

Email: pmtrasys@usmc.mil

FUNDING

- ~\$45M (~\$9M/year)

CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)



- Cubic Applications Inc.



Command & Control Training Education Center Of Excellence (C2TECOE)

Description/Summary of Program Requirements

- The C2 TECOE Branch of the MAGTF Staff Training Program (MSTP) serves as the central Marine Corps agency for C2 training and education issues within the Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, Facilities (DOTMLPF) process in order to harmonize the art and science of Marine Air-Ground Task Force (MAGTF) C2 training and education requirements from the individual Marine through all levels of MAGTF commanders and their staffs, and training organizations located throughout the Marine Corps. Presently, the C2 TECOE is operating at a very high Operational Tempo while undergoing a significant organizational, mission, and vision transformation. The C2 TECOE is organized to include a Curriculum Development Section, a Futures Section, an Operations Section, and an Information Management/Combat Operations Center (IM/COC). The C2 TECOE is also responsible for the operational and administrative control of the five (5) MAGTF Integrated Systems Training Centers (MISTCs) to include: MISTC East, Camp Lejeune, NC; MISTC West, Camp Pendleton, CA; MISTC 29 Palms, CA; MISTC Hawaii, Kaneohe Bay, HI; and MISTC Okinawa, Camp Hanson, Japan.
- Contractor SME support services include but are not limited to: supporting training events employing current fielded modeling and simulation systems; the operation of designated information systems (and follow-on versions thereof); and the development of supporting training documentation and Plans of Instruction.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES	
<ul style="list-style-type: none">• SeaPort-e• Full and Open• Best Value - Tradeoff	<ul style="list-style-type: none">• 3rd Qtr FY17 to 3rd Qtr FY22	4 th Qtr FY16  RFP Release	3 rd Qtr FY17  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)	
PM TRASYS Phone: 407-381-8762 Email: pmtrasys@usmc.mil	<ul style="list-style-type: none">• ~\$35M (~\$7M/year)	<ul style="list-style-type: none">• Cubic Applications Inc.	



Program Manager Training Systems

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for information

Questions?

Contact PM TRASYS

pmtrasys@usmc.mil

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